

How to connect the cold-joint connector for a flip cover



AI Overview

Install the cold-joint connector by preparing the cables, positioning the connector, applying mastic and tape, and sliding the cold-shrink flip cover over the assembly for secure insulation. Step-by-Step Installation

1. Prepare the Cables
De-energize and ground all electrical systems before starting. Clean the cable insulation thoroughly, removing any grease, oxidation, or conductive residue. Slide any jacketing tubes or splice bodies onto the cable ends as required, keeping them loose for later positioning ().
2. Position the Connector
Fit the connector onto the conductors according to the manufacturer's specifications. For bolted connectors, apply a strip of field control mastic on the bolts; for deep indent connectors, fill the indents with mastic. Ensure semi-conductive screen edges are aligned using the provided template and mark reference points on the connector ().
3. Apply Insulation and Mastic
Cover the connector and exposed conductor with 2 layers of semi-conductive tape, starting from the center of the connector and leaving 2 mm of conductor exposed. Fill gaps between the cable insulation and taped connector with field control mastic strips (approximately 200 mm on each side). Fold any mastic plates over the connector and apply additional mastic strips flush with the semi-conductive screen. Avoid stretching the mastic ().
4. Install the Cold-Shrink Flip Cover
Slide the cold-shrink flip cover or pre-stretched tube over the taped and mastic-covered connector. Center the cover over the reference marks or tape markers on the cable. Remove the inner plastic core by pulling it out slowly, allowing the cold-shrink material to contract and conform tightly around the connector and cable (). Compress the mastic layers by hand to ensure a smooth, secure seal.
5. Final Steps
Trim any excess neutral wires or tape extending beyond the connector. Wrap ground straps and secure with constant force...

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6 Slide the joint assembly over one cable, making sure the end with the cable tie goes first over the cable. Install the connector according to the manufacturer's instructions. Fit the connector on to the

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Website: <https://energy-powertools.eu>

Email: info@energy-powertools.eu

Phone: +49 172 6389472

Address: Musterstraße 12, 10115 Berlin, Germany

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